# DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

1A11 Revision 1 CONTINENTAL FA-III (Airphibian)

March 18, 1975

#### AIRCRAFT SPECIFICATION NO. 1A11

Type Certificate Holder Taylorcraft Inc.

Connellsville, PA. 15425

#### I - Model FA-III (Airphibian), 2 PCLM (Normal Category), Approved August 18, 1953

Engine Franklin 6A4-165-B3 (Modified in accordance with Continental, Inc.,

Dwg. No. D-3-P3500)

Fuel 80 minimum octane aviation gasoline Engine limits For all operations, 2800 rpm (165 hp)

(with item 1 propeller)

Airspeed limit Maneuvering 107 mph (93 knots)
(CAS) Max. structural cruising 113 mph (98 knots)
Never exceed 143 mph (124 knots)

C.G. range (+70.1) to (+73.7)

Empty weight C.G. range None

Datum Front face of crankshaft propeller flange

Leveling means Leveling lugs under floor on bulkheads 3 and 4 (Bulkhead 3 for lateral leveling,

bulkhead 4 to diagonal tube at rear spar for longitudinal leveling)

 Maximum weight
 2100 lb.

 No. seats
 2 (+84)

 Maximum baggage
 68 lb. (+103)

 Fuel capacity
 33 gal. (+110)

 Oil capacity
 2 gal. (+15)

Control surface movements Elevator Up 33° Down 5.5°

Aileron Up  $18^{\circ}$  Down  $9^{\circ}$  Rudder Left  $15^{\circ}$  Right  $15^{\circ}$ 

Serial Nos. eligible FA-III-101 and up

Required equipment Items 1, 201(a), 202(a), 205(a), 206(a), 302, 401

#### SPECIFICATIONS PERTINENT TO ALL MODELS

Certification basis Type Certificate No. 1A11 (CAR 3, Nov. 1, 1949 and Amendments 3-1 to

3-6 Normal Category)

Production basis None.

### EQUIPMENT:

## Propellers and Propeller Accessories

1. Propeller - Sensenich 73 FG-44 or any other two-bladed fixed-pitch wood propeller eligible for the engine power and speed which meets

the following limits:

Static rpm at maximum permissible throttle setting:

Not over 2500, not under 2400.

No additional tolerance permitted.

Diameter: Not over 73 in., not under 71.5 in.

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2. Propeller - three-bladed fixed-pitch wood (-3.5)Sensenich 3-70-CG-50 24 lb. (a) Sensenich 3-73-KG-42 (b) 27 lb. or Static rpm at maximum permissible throttle setting: Not over 2200, not under 2100. No additional tolerance permitted. Diameter: Not over 73 in., not under 68.5 in. Engine limits: Take-off and climb, 2800 rpm (165 hp) All other operations, 2600 rpm (150 hp) **Landing Gear** 201. Two main wheel-brake assemblies, 6.00-6, Type III, 16 lb. (+98.5) (a) Goodyear Model L6HMBD Wheel Assembly #9520017 Brake Assembly #9530705 202. (a) Two main wheel 4-ply rating tires, 6.00-6, Type III, with 17 lb. (+98.5) regular tubes 205. Two nose wheels, 6.00-6, Type III (Modified in accordance with Continental, Inc., Dwg. No. B-2-L98) (a) Goodyear Model CL6HBM 30 lb. (+27) Wheel Assembly #9530381 RH #9530382 LH (Brake assembly #9530368 also installed is inoperative in airplane configuration) 206. (a) Two nose wheel 4-ply rating tires, 6.00-6, Type III, with regular tubes 17 lb. (+27) **Electrical Equipment** 301. Battery Reading R-33 12V 27 lb. (+94.5) 302. Stall warning indicator 1 lb. (+55.5)

#### Interior Equipment

- 401. CAA Approved Airplane Flight Manual dated August 18, 1953.
- NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).
- NOTE 2. The following placards must be displayed on the instrument panel in full view of the pilot:
  - (a) "This airplane must be operated in Normal Category in accordance with the Approved Airplane Flight Manual. Acrobatics (including spins) prohibited."
  - (b) "In flight do not rotate aileron control more than 90° from neutral."
  - (c) "Fuel shutoff valve and gascolator located under floor below this placard."

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